

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
WO 2005/062049 A3

(51) International Patent Classification<sup>7</sup>: G01N 33/543 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/BE2004/000182

(22) International Filing Date: 22 December 2004 (22.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/531,931 22 December 2003 (22.12.2003) US

(71) Applicant (for all designated States except US): INTERUNIVERSITAIR MICROELEKTRONICA CENTRUM (IMEC) [BE/BE]; Kapeldreef 75, B-3001 LEUVEN (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DE KEERSMAECKER, Koen [BE/BE]; Oostremstraat 2, B-3020 HERENT (BE). BORGHS, Gustaaf [BE/BE]; Bergstraat 70, B-3010 LEUVEN (BE).

(74) Agents: VAN MALDEREN, Joëlle et al.; Pronovem - Office Van Malderen, Avenue Josse Goffin 158, B-1082 Bruxelles (BE).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

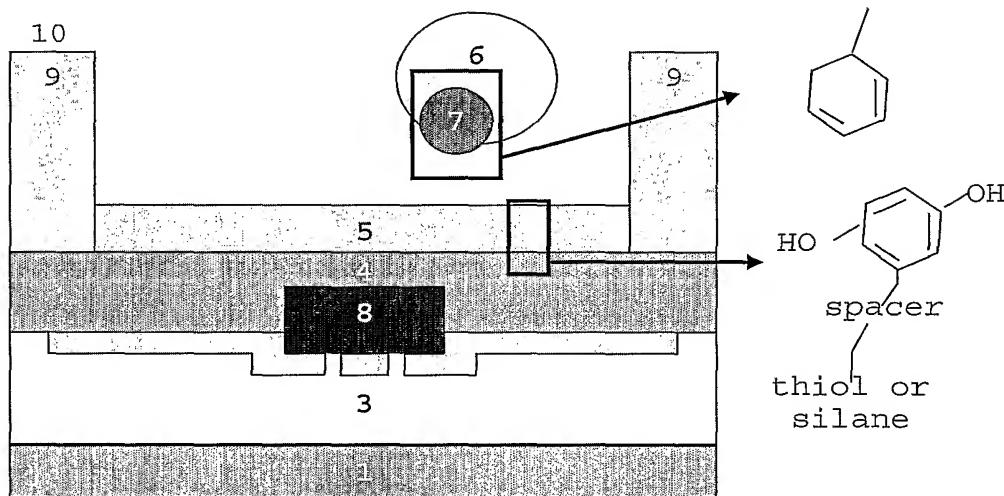
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 15 December 2005

[Continued on next page]

(54) Title: THE USE OF MICROELECTRONIC STRUCTURES FOR PATTERNED DEPOSITION OF MOLECULES ONTO SURFACES



(57) Abstract: The present invention is related to the localised/patterned deposition and/or desorption of (bio)molecules using microelectronic structures. Often pre-existing structures needed for proper functioning of the device (e.g. sensors, ...) can be used as individually addressable control structures to achieve localised deposition through thermal and/or electrochemical spotting, thereby reducing the need for and simplifying additional processing steps to achieve localised/patterned deposition. If these multi-purpose structures are not available, additional control structures can be implemented, using microelectronic VLSI production technology.

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